Professional Audio

Voice Systems

All the audio systems in the Voice Systems line demonstrate a multifaceted nature, which reflects the attention devoted to important, decisive values, adopted as priceless ingredients for both design and production. These values make it possible for the development of solutions that are appreciated by a wide range of users.

First, Knowledge. To know what an application requires before and during use, in every possible scenario, is a key factor in order to create audio systems perfectly fit for their target. It's necessary to know the user of such systems, and keep him/her always in mind, because there is no such thing as a "standard user" – although we try to satisfy as many needs as possible, delivering the tools that are most suitable for the widest public.

Knowledge also means skill and innovation. Thanks to its prestigious past, Voice Systems can rely upon a wide technical and musical experience. Today, Voice Systems is constantly moving forward, and is capable of developing adequate and technically advanced solutions, creating versatile and extremely usable products.

The foundations of our work is quality. Quality of sound, of raw materials and construction.
This is Voice Systems, a world where you can always find the best audio system – or tool - for your needs, a perfect fit for the professional and amateur alike; large systems for live events or smaller PA systems that are easy to carry, with exceptional performance that always delivers: This is Voice Systems.

Voice Systems – essential ingredients for success.

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Compact All in One System

Anywhere, at anytime… always with a powerful and excellent sound!

Portability, easy installation and use, toughness, compact shape, handiness – all these are key factors of portable audio systems, monitor systems and small installations in general. Nevertheless, this should not by any means lessen the sound quality of the speakers.

The Compact All In One series by Voice Systems consists of various products, suitable for the most diverse needs in terms of portable audio systems, able to provide quality performance, with a clear, intelligible and effective audio signal.

This system works in the most diverse scenarios: ranging from school meetings to small sporting events, from small-medium rooms to concert monitors on the stage, from rehearsal rooms to live events, from piano and karaoke bars to dj sets, from house parties to speeches, from religious ceremonies to seminars.

In each situation there is a suitable Compact All In One system, with the adequate power and size required. Voice Systems products show a precise balanced of efficiency, handiness and size. Materials and components are carefully selected, and the same attention is paid to development and engineering of efficient solutions in terms of audio performance and compact dimensions. Thanks to intelligent attention to details, the systems are both compact and easy to assemble, use and disassemble.

Voice Systems Compact All In One : quality, handiness, flexibility – all in one.

The **CLUB** series speakers were created by VOICE SYSTEMS in collaboration with the VERSE team to deliver a portable amplification system, ideal for monitoring and for use in fixed installations. Thanks to a completely new digital amplifier combined with a digital processor, and the use of resistant, lightweight materials for the cabinet construction, the CLUB speakers allow unlimited versatility. The CLUB series are easy to use and to carry. These setups are ideal for various installations: both for piano bar music or for a concert gig on the fly. CLUB systems are Plug&Play: connect four cords, choose your preset and you're ready to go!

New digital technology totally changes the way a professional audio amplifier is developed. Digital technology is the only way to give great power and long term reliability. Remarkable heat and weight reduction makes the digital amplifier in CLUB speakers efficient and powerful.

The amplifier is also equipped with an "Energy Save" feature which completely switches off the power stages of the amplifier in absence of incoming signal. This function, together with the intrinsic efficiency of the digital amplifier, contributes to a drastic reduction in power consumption.

Sub Woofer

- Nominal Power (EIAJ – 1Khz, 1% THD): 700 W
- Frequency Response: 50Hz – 90Hz
- Max SPL: 124 dB
- Woofer: 2x8" neodymium magnet, 2.5" aluminium voice coil
- Cabinet: laminated birch plywood, black scratch resistant paint
- Pretective Metal Grid
- Pole mount on top

Satellite

- Nominal Power (EIAJ – 1Khz, 1% THD): 350 W
- Frequency Response: 80Hz – 20Khz
- Max SPL: 120 dB
- Woofer: 8" neodymium magnet, 2.5" aluminium voice coil
- Tweeter: 1" ceramic magnet, aluminium voice coil, mylar diaphgram
- Angular Dispersion: 90° x 60°
- Cabinet: laminated birch plywood, black scratch resistant paint
- Pretective Metal Grid
- 7xM8 flyng system hooks

Installation examples

SPECIFICATIONS	SAT	SUB
Power Handling nominal	350 Watt (EIAJ test - 1kHz, 1% THD)	700 Watt (EIAJ test - 1kHz, 1% THD)
Frequency response	80 Hz - 20 Khz	50 Hz - 90 Hz
Input sensitivity	0 dBu	0 dBu
Max SPL (calculated)	120 dB	124 dB
Crossover frequency	2800 Hz	-
Subsonic filter	-	Yes
HF protections	PTC, HPCCR bulb	-
Active protective circuitry	-	thermal, overcurrent, non audio signals
Nominal inpendance	-	10 kOhm balanced to ground
WOOFER	8”	2 x 8”
Impendance	4 Ohm	2 x 4 Ohm
Magnet	neodymium	neodymium
Voice coil	2.5” aluminium	2.5” aluminium
Former	kapton	kapton
TWEETER	1”	-
Impedance	8 Ohm	-
Magnet	ceramic	-
Voice Coil	aluminium	-
Diaphragm	mylar	-
Angular dispersion	90° x 60°	-
CONSTRUCTION		
Cabinet	front: 15 mm laminated birch plywood top, bottom, rear, sides: 12 mm laminated birch plywood	front: 30 mm laminated birch plywood top, bottom, rear, sides: 15 mm laminated birch plywood
Finish	black scratch resistant paint	black scratch resistant paint
Protection	metal grid	metal grid
Dimension (HxWxD) mm	410 x 268 x 285	550 x 280 x 400
Pole mount	1 bottom	1 top
Flying system	2 x M8 - top, bottom, sides 1 x M8 - rear	-
Weight (kg.)	8	16
CONTROL PANEL		
Level	-	from - Inf to 0 dB
Presets	-	push selection, 4 leds to sign the active preset: 1) FLAT - 2) D. BOOST - 3) SPEECH - 4) VOICE
Indication leds	-	1) green led = ON / OFF - 2) green led = SIGNAL ON 3) yellow led = TEMPOUT - 4) red led = CLIP
CONNECTIONS	input signal: 1 Neutrik Speakon NL4MP, 1+ IN+, 1- IN-	input signals: 2 XLR power supply: AC socket output signals: 2 Neutrik Speakon NL4MP, 1+ OUT+, 1- OUT-

Musician 400 is a powerful and versatile PA system that delivers a professional sound quality difficult to find in other similar products. Equipped with JENSEN® loudspeakers (a long-standing and important brand in the field) it has a maximum power output of 400 Watt RMS. Specific amplifier for keyboard, voice, accordion, electric guitar, particularly for electro acoustic, semi acoustic, solid body, bass guitar and acoustic instruments in general. Moreover, it is equipped with an internal 8 channel mixer, which includes a digital effects processor with 16 presets; the presets can be switched in real time.

Musician 400

- Compact 2 ways system with integrated mixer
- Molded cabinet in polypropylene, high shock resistance, easy of transport due to ergonomic handle and lightness
- 1” compression driver with 90° x 60° angular dispersion
- 2x8” high efficiency JENSEN® woofer
- 8 channel mixer with Phantom power
- Class H Power amplifier (HF: 100W, LF: 300W)
- 2 way Dynamic limite

Musician 400 EX Extension Box

Musician 400 EX is a natural expansion of Musician 400. They share the same features except for the mixer, not equipped in the Musician 400 EX. It can be considered a completely self sufficient speaker, or it can also be used in combination with a Musician 400, forming a stereo system thanks to its 8-channel mixer.

SPECIFICATIONS	MUSICIAN 400 / 400 EXTENSION
LOW FREQUENCY SECTION	
Numbers of Drivers	2
Woofer Diameter	8”
Voice coil diameter	2”
Winding Material	Copper
Sensitivity	93.6dB (1W/1m)
Basket	Pressed Sheet Steel
Magnet Type	Neodymium
HIGH FREQUENCY SECTION	
Numbers of Drivers	1
Voice coil diameter	1.4”
Winding material	Alluminium
Throat diameter	1”
Sensitivity	105 dB (1W/1m)
Diaphgram Material	Titanium
Magnet Type	Ferrite
Horn Design	Elliptical Wawe Guide
Horn Horizontal Coverage	90°
Horn Vertical Coverage	60°
CONSTRUCTION FEATURES	
Material	Polypropylene – Composite molded high impact enclosure
Handles	2 on the sides – 1 on the top
Coupling	1 hole on the bottom to locate the speaker on stand; 2 M8 screw mounting holes on sides, 1 hook on the rear to hang the speaker.
Grid	metal
Dimensions (HxWxD) mm	420 X 630 X 36
Weight (kg.)	15
AMPLIFIER SECTION	
Total Amplifier Power	400 W RMS
Max LF Output Power	300 W RMS
Max HF Output Power	100 W RMS
Max SPL	125 dB

SPECIFICATIONS	ONLY FOR MUSICIAN 400
MIXER/PRE SECTION	
Mic Input Sensitivity	-50 dB
Mic Input Impedance	2KOhm (Balanced) 1KOhm (Unbalanced)
Line Input Sensitivity	0 dB
Line Input Impedance	20KOhm (Balanced) 10KOhm (Unbalanced)
Instrument Input Sensitivity	-35 dB
Instrument Input Impedance	1 MegOhm (Unbalanced)
Gain	40 dB
Ch 1-2 Equalizer	Semiparametric ±15dB @ 150Hz to 2KHz, fixed Q High ±15dB @ 20KHz Low ±15dB @ 20Hz
Ch 3-4 Equalizer	High ±15dB @ 12KHz Mid ±15dB @ 1.2KHz Low ±15dB @ 70Hz
Display Leds	ON/OFF; High, Low Comp; Ch. Peak; Phantom
Connectors	Mic/Line Input: Female XLR/Jack (Combo) Instrument Input: Stereo Jack; Phones, Aux Output
THD	<0.001%
Crosstalk	-85dB
Mix output voltage gain	49dB
Aux output voltage gain	47dB
Phones output voltage gain	51dB
C/Room output voltage gain	39dB
Max output	22dBu

Butterfly system is a versatile and compact amplifier system that is perfect for ‘mobile’ and ‘fixed’ applications. The professional sound system guarantees exceptional performances for: DJs, Live music, Karaoke, Schools, Night Clubs, Conference Facilities, Religious Functions and any type of venue. Simplicity and Versatility are the keys to this system, providing clarity and distinction in every situation. Butterfly is a system composed by two amplified speakers and a mixer with effect processor, insert in to a same plastic cabinet of speakers to easy quick set up on any stands. The Butterfly mixer uses a one way equalizer called “Pure Sound Control EQ”. This allows modification to create a clean and effective sound. The emphasis of the Middle-High sound is a Shelving type to 7 KHz forgiving more transparency and crystalline clarity to the sound, offering a pleasant definition for music and vocals (both sung and dictated).The emphasis of the Bass part is a Shelving type and offers large depth, acting on all the frequencies under 70 Hz. By combining this with the Master Low filter processor, vocal parts can have a better ‘punch’.

Butterfly Mix

- Mixer unit
- 4 Mic/Line Inputs, 1 stereo Line In, 1 Guitar In, 1 RCA Tape Input
- Effects Processor with 16 presets
- 3 Bands EQ processor + Master EQ

Butterfly SAT

- Active satellite speakers
- Frequency Response: 70Hz – 18Khz
- Max SPL: 112 dB

Butterfly System

Mounting example
(speaker stands shown in picture not included)

SPECIFICATIONS	
Components	2 speakers + 1 mixer
SPEAKERS	
Frequency Response	70Hz - 18KHz ±3dB
SPL Max	112 dB @1m
Output Power (IHF)	120 + 120 Watt
MIXER	
Inputs	4 Mic IN XLR bal (+30 dB) 4 Line IN Jack bal (+10 dB) 1 Stereo IN (0 dB) 1 Guitar IN (-35/0 dB) 1 RCA Tape IN (0 dB)
Mic Impedance	1 Kohm
Line Impedance	10 Kohm
Guitar Impedance	1 Mohm
Outputs	RCA Tape Out (+4 dB) Mix Out (+4dB) Phones > 30 Ohm

Digital EFX	16 presets - Stereo Effect
Master EQ Processor	High 10 KHz Shelving Mid 1500 Hz Peaking Low 80 Hz Shelving
Noise (All Fader down)	-120dB
Noise (Nominal Fader)	-105dB
Noise (Nominal Fader + 1 Ch.)	-103dB
Power Supply	220/240 Volt 50/60 Hz
Trolley Dimensions (WxHxD) mm	450 x 900 x 300
Weight (kg.)	20

Combo PRO System is a versatile and compact sound system that is perfect for quickly moving your music around but also for fixed and for light mobile installations (DJs, live music, Karaoke, Fitness Clubs, Schools, Conferences, and so on...). Its great power is able to sound in several environments, delivering good voice intelligibility. Simplicity and flexibility are the key concepts of this system, useful whenever you “shall be heard”. Combo Pro equips a One band equalizer on each channel, named “Pure Sound Control EQ” for its clean and efficient control. The Mid-Hi control is a Shelving 7 KHz, so as to offer a clearer sound and great detail for music and speech. Low frequency emphasis is also Shelving, working below 70Hz, giving a great deep bass. Great results are granted with the Master Low processing filter, giving great punch and voice warmth. Combo Pro is built with highly resistant materials, and offers great reliability thanks to strict quality controls applied.

Combo Pro

- Easy and quick setup
- Ultra compact and light
- 120+120 W
- Effects processor with 16 presets
- 4 Mic/Line Inputs, 1 stereo Line In, 1 Guitar In, 1 Tape Input
- 3 Bands EQ

SPECIFICATIONS	
Output Power	120 + 120 W
THD+Noise	<0.1% @ 20Hz÷20KHz
Frequency Response	60Hz÷18KHz ±3dB
SPL Max	125dB @1m
Noise	-120dB (All fader closed) -105dB (Nominal fader MIX) -103dB (Nominal fader MIX + 1ch.)
Inputs	4x XLR-F Mic input Balanced Jack Line Stereo in 2x RCA Tape in
Mic Input	sensitivity : -50÷-10dB gain : 40dB impedance : 1 Kohm
Bal Line Input	sensitivity : -30÷-10dB gain : 40dB impedance : 10 Kohm
Stereo In	sensitivity : 0dB
Guitar In	sensitivity : -35/0 dB
Tape In	level 0dB
Tape Out	level +4dB
Phones Out	min impedance 30ohm
Equalizer	Hi : ±15 dB @10KHz Mid : ±15dB @1.5KHz Lo : ±15dB @80Hz
Weight (kg.)	20
Dimensions (WxHxD) mm	620 x 345 x 280

LoudER Systems

Proud & LoudER

Each version of the LoudER series has the right balance for those who do not want to renounce to professional performances and powerful, clean sound impact, yet need a PA portable system that is also flexible, resistant and simple.

Are you looking for a PA systems easy to install, compact both on stage and when packed, but that could also deliver a powerful, quality signal, with a full-range frequency response.

The LoudER Voice Systems models show outstanding quality, and feature great acoustic performances, always efficient and adequate to the power level of each version.

Each LoudER system has a 2.1 configuration composed of an active subwoofer and two passive satellite speakers, carefully balanced to provide a clear and linear frequency response, regardless of the volume and always at the highest sound quality.

Thanks to materials and components that bring together toughness, lightness and efficiency, the LoudER systems stand for the best choice for handiness and convenience together with reliability and small size.

LoudER 500 MKII

The LoudER 500 MKII system consists of one VS8 Subwoofer and two Bee tops. The total power of the system is 500W, with deep basses. The LoudER 500 MKII system equips double 4” woofer satellites and a small but performing 8” sub, which provide a linear frequency response even at maximum power.

- Amplified Processed System with Sub VS8
- Compact and ergonomic
- Easy to carry and setup
- Stereo Crossover
- 500 Watt Total Power
- 8” 250 W Subwoofer
- 2x4” + 1”, power 2x120W Satellites
- Stereo/Mono with link input
- Phase Switch
- Dynamic Limiter

LoudER 500

LoudER 500 is a professional customized speaker kit, created to suit those in need a powerful and lightweight sound system. The total power is 500 Watt IHF. All the amplifiers are processed, so it’s easy to separately control the dynamics of each component separately, in order to fit all the possible settings and applications. The subwoofer cabinet is scratch-proof and very resistant, with a front metal grate, while satellites are made of highly resistant synthetic material. The double 4” woofers provide an excellent response both in DJ and live applications.

- Amplified Processed System with Sub VS10
- Compact and ergonomic
- Easy to carry and setup
- Stereo Crossover
- 500 Watt Total Power
- 10” 250 W Subwoofer
- 2x4” + 1”, power 2x120W Satellites
- Stereo/Mono with link input
- Phase Switch
- Dynamic Limiter

LoudER 501

LoudER 500… with something more. The LoudER 501 retains all the features of the 500 model, but it has Contact MKII speakers as satellites instead (with larger woofers and wider frequency response). This 2.1 system is more powerful with greater performance, yet it is as small and easy to carry as LoudER 500.

- Amplified Processed System
- Compact and ergonomic
- Easy to carry and setup
- Stereo Crossover
- 500 Watt Total Power
- 10” 250 W Subwoofer
- 8” full-range , power 2x120W Satellites
- Stereo/Mono with link input
- Phase Switch
- Dynamic Limiter

LoudER 1000

LoudER 1000 is a customized speaker kit for anyone who needs a powerful sound system, and also wants to enter the prestigious Impact world at an amazing price. The system has a total power of 1000 Watts, to satisfy the most demanding needs, and all the amplifiers are processed. The subwoofer cabinet is scratch-proof and very resistant, with a front metal grate, while satellites are made of highly resistant synthetic material. The 15” woofer of the satellites allows an excellent response with great SPL and clean sound.

- Amplified Processed System for Professional
- Setup Stereo Crossover
- 1000 Watt Total Power
- 15” 400 W Subwoofer
- 10” + 1”, power 2x290W Satellites
- Stereo/Mono with link Input
- Phase Switch
- Dynamic Limiter

Soft Bag + stands for Satellite

For all systems an optional kit is available.
It consists of two tripod stands and a convenient bag, for an extreme ease of transport

LoudER Systems

SPECIFICATIONS	LoudER 500 MKII	LoudER 500	LoudER 501	LoudER 1000
Components	8" (Sub) - 2x4" + 1" (Sat x 2)	10" (Sub) - 2x4" + 1" (Sat x 2)	10" (Sub) - 8" full range, dual cone (Sat x 2)	15" (Sub) - 10"+1" (Sat x 2)
Total Power	500W	500W	500W	1000W
Sub / Sat Power Ampli	280W / 120W x 2	250W / 120W x 2	250W / 120W x 2	400W / 290W x 2
Input sensitivity	- 10 dB (Sub) - 0dB Line (Sat)	0 dB	0 dB	0 dB
Input impedance	30/15 Kohm bal/unbal (Sub & Sat)	10 Kohm (Sub) - 30/15 Kohm bal/unbal (Sat)	10 Kohm (Sub) - 30/15 Kohm bal/unbal (Sat)	30/15 Kohm bal/unbal (Sub and Sat)
Max SPL	118dB (Sub) - 112dB (Sat)	120dB (Sub) - 112dB (Sat)	120dB (Sub) - 118dB (Sat)	123dB (Sub) - 119dB (Sat)
Frequency Response (-3db)	55Hz-120Hz (Sub) - 85Hz-18Khz (Sat)	45Hz-120Hz (Sub) - 85Hz-18Khz (Sat)	45Hz-120Hz (Sub) - 73Hz-18Khz (Sat)	35Hz-125Hz (Sub) - 65Hz-20Khz (Sat)
Controls (Sub)	Level, Gnd/Lift	Level, Mono/Stereo, Phase, Xover/Flat, Gnd/Lift	Level, Mono/Stereo, Phase, Xover/Flat, Gnd/Lift	Level, Mono/Stereo, Phase, Xover/Flat, Gnd/Lift
Controls (Sat)	Level, High EQ, Gnd/Lift	Level, High EQ, Gnd/Lift	Level, High EQ, Low EQ, Gnd/Lift	Level, High EQ, Gnd/Lift
Connections (Sub)	Left In, Right In, Left Out, Right Out	Left In, Right In, Left Out, Right Out	Left In, Right In, Left Out, Right Out	Left In, Right In, Left Out, Right Out
Connections (Sat)	Line In, Link, Mic In, Mix Out	Line In, Link, Mic In, Mix Out	Line1 In, Line2 In/Link, Mic In, Mix Out	Line In, Link, Mic In, Mix Out
Dimensions (HxWxD) mm	218 x 326 x 310 (Sub) 182 x 330 x 226 (Sat)	330 x 330 x 500 (Sub) 182 x 330 x 226 (Sat)	330 x 330 x 500 (Sub) 278 x 342 x 258 (Sat)	540 x 490 x 440 (Sub) 520 x 340 x 320 (Sat)
Weights (Kg)	12.6 (Sub) - 4.5 (Sat)	17.5 (Sub) - 4.5 (Sat)	17.5 (Sub) - 7 (Sat)	19.5 (Sub) - 15 (Sat)

Much more than just speakers

The Voice Systems Loudspeaker series show the passion and experience that Voice Systems team always focused on sound quality and high-fidelity – key values that the team embodied in outstanding products, stout and efficient, regardless of their size and power level.

To assemble a speaker is not enough.

One needs to know it.

In the Loudspeaker series there are several families of speakers, perfectly fitting the acoustic features of their cabinets, for a power, controlled and clean sound, whatever the volume.

Impact stands for excellent sound quality. The **IMPACT series** has been developed together with the VERSE team, using the newest amplification technologies. Lightweight, tough and roadworthy design, they are ideal for portable applications and installations. The Impact series includes 4 different models equipped with different sets of amplifiers. All models are active processed, and configurable with the addition of Impact Sub VS 15 active stereo subwoofer for a multi-way system. Impact 10", 12" and 15" have an elliptical wave form guide horn providing a coverage of 90°H x 60°V without any distortion. An hi efficiency woofer in bass reflex charged box contributes to the very high SPL.

Impact 10

- Power 290 W
- Hi SPL 119 dB max
- 10" woofer custom
- Neodymium 1" tweeter driver
- Elliptical wave guide horn
- Mic+Line+Link+Mix

Impact 12

- Power 320 W
- Hi SPL 121 dB max
- 12" woofer custom
- Neodymium 1" tweeter driver
- Elliptical wave guide horn
- Mic+Line+Link+Mix

Impact 15

- Power 350 W
- Hi SPL 123 dB max
- 15" woofer custom
- Neodymium 1" tweeter driver
- Elliptical wave guide horn
- Mic+Line+Link+Mix

Impact Series - Active Speakers

SPECIFICATIONS	IMPACT 10	IMPACT 12	IMPACT 15
System type	2-way vented enclosure	2-way vented enclosure	2-way vented enclosure
Power–EIAJ	290 Watt	320 Watt	390 Watt
Frequency response	65Hz - 20KHz	55Hz - 20KHz	45Hz - 20KHz
Maximum SPL	119 dB @ 1m	121 dB @ 1m	123 dB @ 1m
Active protective circuitry	Thermal, overload	Thermal, overload	Thermal, overload
Mic input impedance	2 KΩ balanced / 1 KΩ unbalanced	2 KΩ balanced / 1 KΩ unbalanced	2 KΩ balanced / 1 KΩ unbalanced
Mic Input sensitivity	-42 dBu	-42 dBu	-42 dBu
Line input impedance	30 KΩ balanced / 15 KΩ unbalanced	30 KΩ balanced / 15 KΩ unbalanced	30 KΩ balanced / 15 KΩ unbalanced
Line Input sensitivity	0dBu	0dBu	0dBu
Connections	Power Ac-Input, female XLR Mic Input, female XLR and Jack Line Input, male XLR Line Link, Jack Mix Output	Power Ac-Input, female XLR Mic Input, female XLR and Jack Line Input, male XLR Line Link, Jack Mix Output	Power Ac-Input, female XLR Mic Input, female XLR and Jack Line Input, male XLR Line Link, Jack Mix Output
Functions	On LED, Signal Limit LED, Ground Lift Switch	On LED, Signal Limit LED, Ground Lift Switch	On LED, Signal Limit LED, Ground Lift Switch
Midrange woofer	10" Woofer 8Ω 2"	12" Woofer 8Ω 2"	15" Woofer 4Ω 2,5"
Tweeter/driver	1" Driver 8Ω	1" Driver 8Ω	1" Driver 8Ω
Angular dispersion	90° Horizontal, 60° Vertical	90° Horizontal, 60° Vertical	90° Horizontal, 60° Vertical
Crossover frequency	2500Hz	2300Hz	2150Hz
HF protection	PTC	PTC	PTC
Pole mount	1 bottom side	1 bottom side	1 bottom side
Dimensions (HxWxD) mm	520 x 340 x 320	560 x 415 x 410	660 x 450 x 440
Weight (Kg.)	15	19	20

SUB VS 15

SPECIFICATIONS	SUB VS 15
System type	Subwoofer vented anclosure
Power–EIAJ	400 Watt
Frequency response	35Hz – 125Hz
Maximum SPL	123 dB @ 1m
Active protective circuitry	Termal, overload
Line input impedance	30 KΩ balanced / 15 KΩ unbalanced
Line input sensitivity	0dBu / -6dBu
Connections	Power Ac–Input, 2 x female XLR L – R Imputs, 2 x jack L – R Imputs, 2 x male XLR Line Outputs, 2 x jack L – R Outputs
Functions	LED On, LED Signal Limit, switch Mono/Stereo, switch Phase/180ø, switch Xover/Flat, switch Ground Lift
Midrange woofer	15" Woofer 4Ω 2,5"
Crossover frequency	125 Hz HPF
Pole mount	1 top side
Dimension (HxWxD) mm	540 x 490 x 440
Weight (kg.)	19,5

Impact stands for excellent sound quality. Lightweight, tough and roadworthy design, they are ideal for portable applications and installations. The Impact series different models equipped with different sets amplifiers and speakers. All models are processed, and configurable with the addition of the Impact SuB VS 15 for a multi-way system.

SUB VS 8

280 Watts, 118dB peak, between 55 and 120 Hz under -3dB it has deep, aggressive, real basses, and incredible pressure levels. SUB VS8 is the definitive answer for the musician looking for compactness and great quality. Woofer custom 8" "Long Excursion" combined with a D class amplification technology, for outstanding pressure levels. Cabinet is protected by a metal grate, with metal handle, easy access to all controls.

SUB VS 10

250 Watts, 120dB peak, between 45 and 120 Hz under -3dB it has deep, aggressive, real basses, and incredible pressure levels. SUB VS10 is the definitive answer for the musician looking for compactness and great quality. Woofer custom 10" "Long Excursion" combined with a D class amplification technology, for outstanding pressure levels. Cabinet is protected by a metal grate, with metal handle, easy access to all controls.

Subwoofer - Active Speakers

SPECIFICATIONS	SUB VS 8
Loudspeaker Diameter	8”
Voice Coil Diameter	2”
Winding Material	Copper
Sensitivity	90 dB (1 W / 1 m)
Power Handling	300 W (long term)
Basket	Pressed sheet steel
Magnet Type	Ferrite
ACOUSTIC RESPONSE	
Max SPL Long-Term	115 dB
Max SPL PEAK Frequency Response (-3dB)	118 dB
Frequency Response (-10dB)	55 Hz ÷ 120 Hz
CONSTRUCTION FEATURES	35 Hz ÷ 200 Hz
Enclosure Geometry	Rectangular
Material	12 mm multi-layer birch wood
Handles	1 on the rear side
Finish	Black painting
Grid	Perforated and painting sheet metal
AMPLIFIER SECTION	
Max output power	280 W
Distorsion	<0.1%
Input Sensitivity	-10 dB
Input Impedance	30 kOhm (balanced) – 15kOhm (unbalanced)
Output Level	0 dB
Output Hi-Pass Filter (-3dB)	100 Hz 12 dB/oct.
Controls	Level - GND Lift
Display LEDs CONNECTORS	Signal / Comp (red) - ON (green)
SAFETY PROTECTIONS	L-R Inputs: 2 x female XLR - Jack (Combo) L-R Outputs: 2 x female Jack
Protections	Thermal - Output Short Circuit Continuous Output Voltage - Compressors
AC - LINE INPUT	
Power Consumption	230VA with musical program
Voltage	See label on the apparatus
AC Connector	3 pin IEC 250 VAC
PHYSICAL FEATURES	
Dimensions (HxWxD) mm	218 x 326 x 310
Weight (kg.)	12,6

SPECIFICATION	SUB VS 10
Max output power (1KHz, THD 1%):	250 W
Distorsion:	< 0.03 % @ 20 Hz -20KHz
Input impedance:	10 KΩ
Input sensibility:	0 dB (0.775 V)
Power supply:	check the label on the rear panel
Sensibility (SPL 1W/1M):	98 dB
Max SPL:	120 dB
Frequency response:	45 Hz – 120 Hz (+- 5 dB)
Cross-over frequency:	150 Hz @ 12 dB/ott
Components:	10” Custom Woofer
Construction and finish:	Case in plywood ultra light with highly resistant paint finish. Metallic grid protection. Stand adaptor, professional handles.
Controls:	Volume, Cross-Over Frequency, Phase Reverse, Monophonic input select, GND Lift
Connections:	Input: 2 Jack – 2 XLR-F Output: 2 XLR-M
Dimensions (HxWxD) mm	330 x 330 x 500
Weight (kg.)	17,5

A revolution in the field of small audio systems, **Proteus** is designed with the newest technology and the best of Italian design. The secret is the layout and speaker design which incorporates the latest and most modern materials. The speaker shape also gives a more uniform sound spectrum with very low distortions, and which means that Proteus can be used in large spaces and with better SPL. Even horizontal dispersion is guaranteed, thanks to the acoustic profile of both loudspeakers and cabinet.

Proteus 180A

Overall power 200 RMS Watts, full-range 10” woofer

Proteus LIVE

Overall power 250 RMS Watts, double 8” Woofer and HF 1” driver, with neodymium magnet.

Proteus STAGE

Overall power: 400 RMS Watts. Double 8” woofer and HF 1.7” driver with neodymium magnet.

Accessories for Proteus series

Thanks to the mounting accessories, the speaker can be installed in several ways, such as chain holding, wall-mount brackets, and use of the speaker stand hole for wall mount.

Optional protection cover

Optional protection cover (back opening)

Fixed wall-mount bracket

Proteus - Active Speakers

SPECIFIACATIONS	PROTEUS 180	PROTEUS LIVE	PROTEUS STAGE
AMPLIFIER SECTION			
Total Amplifier Power	200 W RMS	250 W RMS	400 W RMS
Max LF output power	-	200 W RMS	300 W RMS
Max HF output power	-	50 W RMS	100 W RMS
Mic Input sensitivity	-50 dB	-50 dB	-50 dB
Mic Input impedance		2 kOhm (balanced) - 1 kOhm (unbalanced)	2 kOhm (balanced) - 1 kOhm (unbalanced)
Line Input sensitivity	0 dB	0 dB	-
Line Input impedance	30 kOhm (balanced) - 15kOhm (unbalanced)	30 kOhm (balanced) - 15kOhm (unbalanced)	30 kOhm (balanced) - 15kOhm (unbalanced)
Mix Output Level (Mic Input + Line Input)	0 dB	0 dB	0 dB
Equalizer	High Definition ± 15 dB @ 10 kHz	High Definition ± 15 dB @ 10 kHz	"High ± 15 dB @ 12 kHz - Mid ± 15 dB @ 1.2 kHz - Low ± 15 dB @ 70 Hz"
Protections	Thermal, Output Short Circuit, Compressor	Thermal, Output Short Circuit, Continuous Output Voltage, Compressor	Thermal, Output Short Circuit, Continuous Output Voltage, LF and HF Compressor
Controls	Mic and Line Level, High Definition, GND Lift	Mic and Line Level, High Definition, GND Lift	Mic and Line Level, EQ (High,Mid,Low), GND Lift
Indication Leds	Signal Comp (Red Led), ON (Green Led)	Signal Comp (Red Led), ON (Green Led)	High Comp (Red Led), Low Comp (Red Led), ON (Green Led)
Connections	Mic Input (Female XLR), Line Input (Combo Female XLR/Jack), Link (Male XLR), Mix Output (Male XLR)	Mic Input (Female XLR), Line Input (Combo Female XLR/Jack), Link (Male XLR), Mix Output (Male XLR)	Mic Input (Female XLR), Line Input (Combo Female XLR/Jack), Link (Male XLR), Mix Output (Male XLR)
ACOUSTIC RESPONSE			
Max SPL PEAK	121 dB	123 dB	124 dB
Frequency Response (-3dB)	65 Hz ÷ 18 kHz	60 Hz ÷ 18 kHz	56 Hz ÷ 18 kHz
LOUDSPEAKER SECTION			
Woofer Diameter	10" Full range Dual Cone	2 x 8" LF woofer	2 x 8" LF woofer
Voice Coil	1.5", Copper	2", Copper	2", Aluminium
Magnet Type	Ferrite	Ferrite	Neodymium
HF Driver	-	1", Aluminium	1,7", Aluminium
Throat Diameter	-	1"	1"
Diaphragm Material	-	Polymide	Polymide
Magnet Tipe	-	Ferrite	Ferrite
Horn Coverage	-	90°x60° elliptical	90°x60° elliptical
CONSTRUCTION			
Material	Polypropylene Composite molded high impact enclosure	Polypropylene Composite molded high impact enclosure	Polypropylene Composite molded high impact enclosure
Handles	2 on the sides - 1 on the top	2 on the sides - 1 on the top	2 on the sides - 1 on the top
Grid	Perforated and painted sheet metal	Perforated and painted sheet metal	Perforated and painted sheet metal
PHYSICAL			
Power Consumption	170VA with musical program	210VA with musical program	330VA with musical program
Dimensions (HxWxD) mm	355 x 635 x 420	355 x 635 x 420	355 x 635 x 420
Weight (kg.)	14,5	15,5	16,7

The uniqueness of the **Contact** series is the usage of coaxial speakers and, due to these special transducers, the size is highly reduced. Therefore, the Contact speakers can be placed in vertical, horizontal (like a stage monitor) or stand mount position. Models from 120 to 180 W with control panel configurations cover a wide range of different applications and budgets.

Contact MK II

120 W with full range 8" loudspeaker. Two Line inputs, one Jack Mic input; the control set consists of eq, levels and GND lift. A great price to performance ratio.

Contact CX MK II

Bi-amplified, with 180W total power, CX it is a masterpiece in its category, thanks to the exceptional dimension to quality ratio. Fitted with an 8" custom coax speaker hosting a 1" compression driver with spherical wave guide horn, CX can be used in highly demanding professional systems, where phase response and great sound spectrum are fundamental.

Contact Series - Active Speakers

SPECIFICATIONS	CONTACT MK II	CONTACT CX MK II
System type	Dual cone vented enclosure	2-way vented enclosure
Power (1Khz, 1%Thd)	120 W	150 W + 30 W
Frequency response (-3dB)	75Hz - 18Khz	60Hz - 18Khz
Maximum SPL	119 dB	120 dB
Mic input impedance	2Kohm (bal) - 1Kohm (unbal)	2Kohm (bal) - 1Kohm (unbal)
Mic Input sensitivity	- 50dB	- 50dB
Line input impedance	30Kohm (bal) - 15Kohm (unbal)	30Kohm (bal) - 15Kohm (unbal)
Line Input sensitivity	0 dB	0 dB
Connections	Mic In, Line1 In, Line2 In, Mix Out	Mic In, Line1 In, Line2 In, Mix Out
Controls	Line Level, Mic Level, High EQ, Low EQ, Gnd/Lift	Line Level, Mic Level, High EQ, Low EQ, Gnd/Lift
Equalizer	"High: +/- 6dB @ 10Khz "High: +/- 6dB @ 10Khz	Low: +/- 6dB @ 70Hz" Low: +/- 6dB @ 70Hz"
Loudspeaker	8" Full range, dual cone	8" coaxial woofer + 1" compression driver with spherical wave guide horn
Dispersion	90° x 90°	60° x 60°
Crossover Frq.	-	2Khz, 12dB/oct
Pole mount	1 bottom	1 bottom
Fuctions	Signal comp. (Red), On (Green)	
Construction	Composite molded, high impact enclosure	Composite molded, high impact enclosure
Dimensions (HxWxD) mm	278 x 342 x 258	278 x 342 x 258
Weight (kg.)	7 kg	7.5 kg

The **Bee speakers** are a choice of elegance and technology. In an original and compact shape, they offer great efficiency and sound quality, with a complete control set. Designed with advanced technical solutions, such as sophisticated custom components, innovative materials for the cabinets and a special bi-amplification system (BEE MAX e BEE THEATRE) they can be used in a variety of applications. The cabinets are extremely sturdy, yet considerably light, with a good balance between resistance and weight. The BEE speakers can also be used as fixed sound sources in Public Address installations, thanks to the unique cabinet structure.

Bee Series - Active & Passive Speakers

Bee Five

- Full-range 50W
- Full-range 5” speaker
- Line input and Link connection
- Reflex Improved Cooling System (RICS)
- Stand Mount adapter
- Monitor use possible
- 3 attachment points for mounting accessories

Bee Stage

- Full-range 50W
- Double full-range 4” speaker
- Suitable for line array setup
- Line input and Link connection
- Reflex Improved Cooling System (RICS)
- Stand Mount adapter
- Monitor use possible
- 3 attachment points for mounting accessories

Bee Theatre

- Bi-amp 90+30 W
- Double 4” Woofer and 1” compression tweeter
- Mic and Line inputs, Link connection
- Reflex Improved Cooling System (RICS)
- Pro Home Theatre optimized frequency response
- Hi definition EQ
- Dynamic Limiter
- Stand Mount adapter
- Horizontal Setup possible
- Magnetic shield
- 3 attachment points for mounting accessories

Bee P-Max

- Passive version, 150 Watt 8 ohm
- Black or White colors available
- Spring terminals to avoid connector
- Optimized Frequency response for installation
- Overload Protections
- Wall mount accessories
- Magnetic shield
- 3 attachment points for mounting accessories

Bee T-Five

- PA Hi Impedance Full Range Passive Speaker Version (70/100 V)
- Max Power 25W
- White and black cabinet available
- Speech optimized frequency response
- External sockets with power selection
- 3 attachment points for mounting accessories

T-150

T150 is an integrated amplifier conceived for Public Address applications, with 7 MIC/LINE inputs and 150W output power.

Bee Series - Active & Passive Speakers

T-150 Package 1x T150 Amplifer + 6x Bee T-Five

Accessories for Bee series

Wall-mount - Bracket Rotable

Wall-mount - Bracket 90°

Wall-mount - Bracket U

SPECIFICATIONS	BEE FIVE	BEE STAGE	BEE THEATRE	BEE P-MAX
Frequency Response (-10 dB)	90 Hz - 17 KHz	90 Hz - 17 KHz	70 Hz - 20 KHz	70 Hz - 17 KHz
Input impedance (KOhm)	10 Unbal.	10 Unbal.	mic. 30 Bal, 10 Unbal. Line 2 Bal., 10 Unbal.	8 Ohm -
Sensitivity (1W/1m)	90 dB	91 dB	91 dB	91 dB
SPL Max	109 dB	109 dB	112 dB	112 dB
Dispersion Angle	-	-	90° x 60°	90° x 60°
Output Power W	50 Watt IHF	50 Watt IHF	low 90 Watt IHF High 30 Watt IHF	150 Watt Max IHF -
Distortion (THD + N)	< 0,1 %	< 0,1 %	< 0,1 %	< 0,1 %
Protection	-	-	Dynamic control Limiter Protection	-
Components	5” Custom full-range	2 x 4” Custom full-range	2 x 4” Custom woofers, 1” Comp. Tweeter	5” Custom woofer, 0,8” Tweeter
Input Connections	1 Line IN Jack/0 dBu	1 Line IN Jack/0 dBu	1 Mic In XLR bal/-30 dBu 1 Line IN XLR-F bal./0 dBu	- -
Link	1 Line IN Link Jack	1 Line IN Link Jack	1 Line IN Link Jack	-
Output Connections	-	-	Mix Out Jack	Spring terminal-Red/Black
Controls	Line level	Line level	Line level Mic level, GND Lift	- -
Hi definition EQ Control	-	-	Hi Definition control	-
SW Xover Frequency	-	-	-	-
Phase Control	-	-	-	-
Construction	Composite molded high impact enclosure	Composite molded high impact enclosure	Composite molded high impact enclosure	Composite molded high impact enclosure
Dimensions (HxWxD) mm	182 x 330 x 196	182 x 330 x 225	182 x 330 x 225	182 x 330 x 225
Weight (kg.)	3	3,2	4,5	3,5

Bee Series - Active & Passive Speakers

SPECIFICATIONS	BEE T-FIVE
Frequency Response (-10 dB)	90 Hz - 17 KHz
Input impedance (KOhm)	alimentazione a tensione 70-100V
Sensitivity (1W/1m)	90 dB
SPL Max	109 dB
Dispersion Angle	-
Output Power W	25 Watt Max IHF
Distortion (THD + N)	< 0,1 %
Protection	-
Components	5” Custom full-range
Input Connections	- -
Link	-
Output Connections	Barrier strip
Controls	-
Hi definition EQ Control	-
SW Xover Frequency	-
Phase Control	-
Construction	Composite molded high impact enclosure
Dimensions (HxWxD) mm	182 x 330 x 225
Weight (kg.)	3,5

SPECIFICATIONS	T-150
CH 1-2-3	MIC/LINE mono balanced Combo (XLR-JACK compatible)
CH 4-5	LINE stereo unbalanced RCA phono
CH 6-7	LINE mono balanced JACK
MIC Input Gain	–∞ ÷ +35 dB
MIC Input Impedance	4 KΩ (balanced) – 2 KΩ (unbalanced)
LINE Input Gain	– ∞ ÷ +10 dB
LINE Input Impedance	30 KΩ (balanced) – 15 KΩ (unbalanced)
MASTER EQ	HIGH: ±15 dB @ 12 KHz MID: ±15 dB @ 1.2 KHz LOW: ±15 dB @ 70 Hz
MAIN Level	– ∞ ÷ +10dB
Power output	150W (I.H.F.)
Output impendance	4 Ω (24,5V) – 70V (32 Ω) – 100V (66 Ω)
Distorsion (T.H.D.)	< 0,1% (rated output @ 1KHz)
Pass Band	50Hz ÷ 15KHz
Noise	MIC-LINE CH 1-2-3: -75dB LINE CH 4-5-6-7: -103dB
Protections	thermal, short circuit , D.C. output
Dimensions (WxHxD) mm	430 x 100 x 340
Weight (kg.)	8,4

Mixer

On stage and off stage, control matters.

Reasonable and intuitive: these are the concepts that make a small-medium mixer a really useful tool. The Voice Systems products always aim at developing feature that will do more good than harm, in any situation. Each control is always at hand and can be used to adjust the signal in real time.

Both the digital Alpha mixers and the analogue consoles such as Live 2408 FX have all the options that will prove useful in the most diverse situations. Live concerts, small project-studios, rehearsal rooms, fixed installations, churches or large systems quality and clear audio are always assured, and there are lots of different options that may come in handy.

The best circuits and carefully selected components are fundamental in order to create resistant consoles, with precise faders and controls. Voice System mixers have not only a wide set of ports, but also signal processors, that are necessary in an easy-to-use, complete tool.

The **Alpha** series digital mixers are the result of years of research in digital audio mixing, made from professional audio leaders. In a simple and easy to use configuration, like in a traditional analogue console, Alpha mixers simply make the musician's work easier and more efficient. Due to the ergonomic human interface, anyone who handled a mixer at least once in their lifetime, will be able to fully use all Alpha potentialities, since there are no complicated selections or virtual channels.
All main functions are managed with direct dedicated pot action, allowing a quick and natural operation. Nevertheless, the mixer retains all the features of a digital console: 256 configuration presets, parameter eq, dynamic processors (compressors and gates), independent effects, digital output and so on… Everything is situated in an interface so easy to use that you will absolutely enjoy your work! Alpha: simply… friendly digital

You can quickly access to the controls of single audio channels by pressing SHIFT + potentiometer of the corresponding function.

Mixer Alpha 8

• Really digital • Intuitive and user friendly interface • 4 mic/line mono inputs and 2 stereo inputs • Stereo analogue output, S/PDIF digital output • Fully configurable Aux send and return

In addition to the easy analog-like interface, Alpha mixers have a great versatility, that will allow you to adapt the mixer to your needs without a problem. Through the editing and navigation instruments you have access to every parameter of the mixer, and you will be able to edit the equalizer, dynamic processors and effects, to save and load your setting. It is possible to create or modify full console presets, and adapt the mixer configuration to any possible need.

Fader control
In Alpha 10 the faders can be used as in an analogue mizer (absolute mode) or can depend from the value shown by the LEDs (value mode). Maximun flexibility and life span.

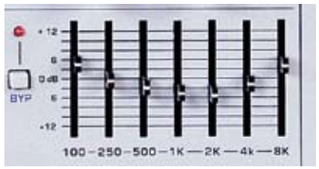
AUX-EFX Send Flexibility
All auxiliary and effect outputs for every channel are really flexible. They can be used pre or post fader, and be assigned to one or two effects, internal or external

Digital I/O
Alpha mixers are fitted with S/PDIF digital audio input and output.

• 6 mic/line mono inputs • 2 stereo inputs • Stereo analog output, S/PDIF digital output • Fully configurable Aux send and return • Digitally Controlled Fader with double functionality (absolute or value mode)

The **channel structure** of **Live 2408 FX** is complete, and designed for those who need many inputs, that can be split in two groups

Graphic EQ on Master Out
Live 2408 FX can really shape the sound at will, thanks to the 3 bands control on each input channel and to the 7 bands graphic equalizer on Master Out.



Complete yet simple effects
A rotating encoder enable the selection of one among 100 effect presets. Few buttons and great handiness. In the effect section you can find a plug for a 12V lamp.

Connections
Full connection, insert points for each channel and main output, tape in/out and effects pedal

• 16 Mono Inputs (14 Mic/Line, 2 Aux Mic) • 2 Stereo Line Inputs • 3 Bands EQ on each channel • Hi-Pass resonant filter on each mono channel • Effects Processor with 16 different programs • 50 Effects Patches setup + 50 Programmable • Master output and Sub Group output • 7 Bands Graphic EQ on master out • Filtered Output for Subwoofer"

SPECIFICATIONS	ALPHA 8	ALPHA 10
Channels	4 Mono + 2 Stereo	6 Mono + 4 Stereo
InSampling Frequency	48kHz	48kHz
A/D D/A conversion	24 bit	24 bit
Data Path	40 bit floating point	40 bit floating point
Dynamic range (weighte-dA, dB)	108	108
Crosstalk	-97dB	-97dB
Crosstalk	20-20k Hz +-1dB	20-20k Hz +-1dB
Mic/Line Inputs	4 XLR + Jack combo	6 XLR + Jack combo
Stereo Line Inputs	2 (Jack)	4 (Jack)
Mono Channel Eq	3 bands sweep mid	3 bands sweep mid
Stereo Channel Eq	2 bands PSC EQ	2 bands PSC EQ
Phantom Power	48 Volt (Mic Inputs)	48 Volt (Mic Inputs)
Stereo Effects	Noise Gate: 10 units, Compressor: 40 units / Limiter: 20 units, Chorus: 20 units, Flanger: 20 units, Phaser : 20 units / Reverb : 40 units, Delay: 40 units	
Aux Send	2 (1 Aux + 2 EFX)	2 (1 Aux + 2 EFX)
Aux Return	1 Stereo	1 Stereo
Master Output	Jack	Jack
Subwoofer Output	Yes, programmable	Yes, programmable
Mono Output	Yes	Yes
Tape	Yes	Yes
Phones	Yes	Yes
PFL	Yes, programmable	Yes, programmable
Mute	Yes	Yes
Dimensions (HxWxD) mm	336 x 355 x 90	396 x 416 x 90
Weight (kg.)	4,6	5,9

SPECIFICATIONS	LIVE 2408 FX
MONO INPUT CHANNELS (1-14)	
MIC Input	balanced XLR-F NEUTRIK™, sensitivity : -50÷-10dB, gain : 40dB, impedance : 1Kohm
LINE Input	balanced Jack, sensitivity : +10÷-30dB, gain : 40dB, impedance : 10 Kohm
Equalizer	High : ±18dB @ 12KHz, Mid : ±18dB @ 1.8KHz, Low : ±18dB @ 70 Hz
HPF (Hi-Pass)	2nd ord.reson. - 80Hz
Insert (ch.1-4)	stereo Jack, sensitivity : 0dB in/out - 10Kohm
STEREO INPUT CHANNELS (15-18)	
MIC Input	balanced XLR-F NEUTRIK™, sensitivity : -50÷-10dB, gain : 40dB, impedance : 1Kohm
LINE Input	2x balanced Jack, sensitivity : -10÷+4dB, impedance : 10Kohm
Equalizer	High : ±18dB @ 12KHz, Mid : ±18dB @ 1.8KHz, Low : ±18dB @ 70 Hz
MASTER SECTION	
MAIN Out	2x bal XLR-M NEUTRIK™, level +10dB
Insert (MAIN)	Stero Jack, sensitivity : 0dB in/out - 10Kohm
CD-ROM Out	2x balanced Jack, level +10dB
EFX 1-2 Out	2x balanced Jack, level +10dB
AUX 1-2 Out	2x balanced Jack, level +10dB
MONO Out	balanced Jack, level +10dB
TAPE IN	2x pin RCA, level 0dB
TAPE OUT	2x pin RCA, level 0dB
Headphones Out	Stero Jack - min impedance 30 ohms
GENERAL SPECIFICATIONS	
THD+Noise	<0.006% @ 1KHz
Crosstalk (fader)	< -125dB @ 1KHz
Noise (all fader closed)	-125dB
Noise (nominal fader MIX)	-108dB
Noise (nominal fader MIX + 1ch.)	-107dB
Weight	6Kg
Dimensions(WxHxD)	560x400x80mm

Galileo Multimedia Player: great technology and amazing user-friendliness. It plays Standard Midi (.MID), Karaoke (.KAR) and MP3 files. It is possible to manage MIDI files that control an MP3 track and MP3 files with karaoke texts. General Midi (GM) sound card with 42 notes polyphony, 393 sounds, 10 drum sets, Reverb and Chorus effects. Thanks to the video board, Galileo can display the song lyrics on TV screen, for all file formats (Midifile, Kar, MP3). Galileo uses Smart-Media™ cards as removable memory, and when connected to a computer via USB, it is identified as a removable disk. Galileo does not need any particular software for file transfer and storage. The audio signal is sent also to the SCART plug, in order to connect Galileo to any TV set. Multi lingual interface and friendly user interface with graphic display.

MIDI+MP3 As well as the single performance of Standard Midi File (.mid) and Karaoke (.kar) format songs, Galileo can also play Audio files coded in the MP3 standard and even Midi files with Audio tracks. As a stand-alone player, Galileo offers the excellent quality of Audio tracks recorded in the studio using real instruments and voices. Midi files, on the other hand, are generated by a powerful General Midi sound card with 42-note polyphony, 393 high quality sounds, 10 drum sets, Reverb and Chorus effects. Adjustments to the main parameters of Midi songs, such as transpose, tempo and total or partial mute of every single track, are quick and easy to make. The user can also trim the equalizer (for both Midi and MP3 songs), microphone effects and video interface settings, and save all settings in each individual song.

SMART-MEDIA™ As mass memory, Galileo uses the Smart-Media™ memory card format, in sizes from 8 to 128 Mbytes. Smart-Media™ format offers very high data reading and writing speed, and excellent reliability. The file-management user interface is at the top of its category in terms of user-friendliness and power: the device is able to handle long file names, folders and subfolders.

MEMORY STORAGE Galileo can be connected to a computer using the USB port. When connected, the computer will identify the Galileo as a removable disk. Please note that the device does not require dedicated software to save files: it takes only an ordinary drag-and-drop or cut and paste operation to transfer files from the computer to Galileo's Smart-Media™ card quickly and safely.
Using Windows XP™, Windows 2000™ or Mac-Os* operating systems, Galileo is recognised as a plug & play device, so no additional drivers are needed to install it. *Mac-Os 9.1 or above.

MIC IN & VIDEO INTERFACE Galileo also has a convenient microphone input, with independent level and gain controls and independent, editable reverb effect. Thanks to the integrated video card, the player is able to display the lyrics of the songs played on a TV screen, for both Midifile and Kar formats and MP3™ audio files (coded in accordance with TAG ID3 Ver.2). The player's general audio signal can also be collected from its SCART socket, allowing the use also without external amplification system, a TV set is all what is needed.

FILE MANAGEMENT The management of the saved files is extremely user friendly, due to functions as automatic sorting, use of icons and the creation of folders and subfolders. A quick search option makes finding songs easier, even with thousands of them on your memory card.

MICROPHONE EFFECTS A microphone input with independent reverb optimizes your singing performances with no need for external mixers: the main parameters of this effect can be modified, and its settings can be saved for each song.

DEDICATED EQUALIZERS FOR MIDI FILES OR MP3 Galileo offers two separate equalizers for Midi File generation (two semi-parametric bands) and for MP3 files (graphic eq with anticlip function).

Galileo

MULTIMEDIA PLAYER. Great technology and amazing user-friendliness. It can play Standard Midi (.MID), Karaoke (.KAR) and MP3 files.

RC1

CONNECTIONS To connect Galileo with TV sets not provided with RGB SCART input, a RC1 converter is available to supply composite video signal.

KIT SMART MEDIA CARD

Handy adapter from xD to SMART MEDIA card
Includes a 128 Mbyte xD card

SPECIFICATION	GALILEO
Files Format	SMF format 0 and 1, Kar, MP3 MIDI + MP3 (MIDI with audio tracks)
Mass Storage	Smart Media® Card (8 - 128 Mbyte)
PC Connection	Universal Serial Bus (USB) 1.1
Card Management	Windows® and Macintosh® compatible
File Management	Long file names, 8.3 file names, directories and sub-directories management
USB Management	Mass Storage (Win 9x, 2000, XP, MAC)®
Video Out	Standard 21 pins SCART - RGB
Lyrics w/ SMF	MIDI, Kar, Lyrics Metevents, Text Metaevents
Lyrics w/ MP3	TAG ID3 vers.2
SMF Audio Generation	100% GM and GS compatible 393 sounds, 10 drum kits, 42 notes Poliphony Chorus and Reverb effects
MP3 Audio Generation	MPEG 1 Layer 2 and 3, MPEG 2 Layer 2 and 3, MPEG 2.5
	Sampling Frequency up to 44.1KHz - Bit rate up to 384Kbit/s
File MIDI with Audio Tracks	SMF with MP3 coded audio tracks
Mic Input	balanced Jack w/ Level and Gain controls
Mic Effects	Time, Feedback and Level controls
File List	Up to 20 songs each, saved as files
List Modify	During Playback
Midifile Editing	Transposer, Mute, Tempo, Equalizer (saved for each song)
MP3 Editing	Equalizer, Anti-clip Function (saved for each song)
Video Modes	Full Lyrics, Lyrics and song info, List info, Song Info, 2 fonts available
Panel Controls	Volume, Midi-MP3 Balance, Mic Level, Navigation Keys, Enter, Esc, Play, Stop, 10 “Direct Access” keys, Mic Input, Headphones Output, Mic Gain
Display	122x32 pixels backlighted
User Interface	with multi-language software
Connections	USB, SCART (Audio+Video), Line Out, 10.5V A.C In
Power Supply	10.5V A.C. supplied with product
Dimensions (HxWxD) mm	5x23x18cm
Weight (kg.)	1
Optional	RC1 signal converter from RGB to CVBS Composite Video

Midi Data Player

RD80-e

SPECIFICATIONS	RD80-e
System Memory	Floppy disk 720 Knyte - 1.44 Mbyte MS-DOS formatted
R/W Technology	Direct-to-Dsk (0,8 sec. loading time)
Display	LCD 7 segments - 3 digit
File Compatibility	SMF typw 0 and Type1 (read) SMF type 0 (write)
Real Time editing	Transpose, Track Mute, Tempo Variation
Song editing (can be stored)	Track erase, Song Transpose, Tempo change
Utility	File copy, File erase, Disk copy, Disk Format
Midi Sync	MIDI CLK (in / out) Song sel, SPP, Commands
Internal Sound Generation	GM and GS 100% compatible, up to 393 sounds, Polytimbral 16 parts, Polyphony 32 notes, 32 effects, 8 drums kits
Pedals	1 (Start / stop)
Connectors	Pedal, Joy Port (midi & expansions) Midi Out, Audio Out (L mono / R), Phones Power supply
Remote Control	Infrared remote control. 8 buttons
Expansions (optionals)	Graphic LCD 240” 64 pixel BL / HVP Vocal Harmoy Processor w / effects / Video Interface / VP Video interface
Dimensions (HxWxD) mm	45 x 220 x 260

MIDI DATA FILER. RD80-E reads, records and modifies Format “0” and “1” Standard Midi Files (SMF). It also incorporates General Midi Sound generation at the top of its class in terms of compatibility, sound quality and performance. It includes a number of functions simplifying the organisation of performances, such as controls to select the next song during playback and the option for creating lists of songs which the device will perform automatically.

Voice Systems è distribuita in Italia da: **Titan Music sa** - Strada Genghe di Atto, 80 Acquaviva (Rep. di San Marino)
Tel. 0549-999164 Fax 0549-999490 Email: dir.italia@viscount.it Web: www.viscount.it